

ABSTRACT

5       The present invention provides high burring, high  
strength steel sheet excellent in softening resistance of  
the weld heat affected zone and a method of production of  
the same, that is, high burring, high strength steel  
sheet excellent in softening resistance of the weld heat  
affected zone containing, by wt%, C: 0.01 to 0.1%, Si:  
0.01 to 2%, Mn: 0.05 to 3%,  $P \leq 0.1\%$ ,  $S \leq 0.03\%$ , Al: 0.005 to  
10   1%, N: 0.0005 to 0.005%, and Ti: 0.05 to 0.5% and further  
containing C, S, N, Ti, Cr, and Mo in ranges satisfying  
 $0\% < C - (12/48Ti - 12/14N - 12/32S) \leq 0.05\%$ ,  $Mo + Cr \geq 0.2\%$ ,  $Cr \leq 0.5\%$ ,  
and  $Mo \leq 0.5\%$ , the balance being Fe and unavoidable  
impurities, wherein the microstructure comprises ferrite  
15   or ferrite and bainite.